

Autumn Still Life

by Arya Akhavan (September 2013)

Angles for R.I. = 1.760

33 + 8 girdles = 41 facets

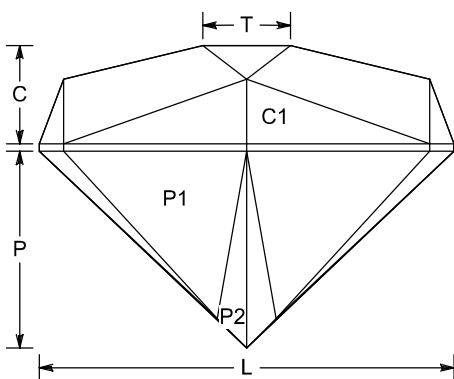
4-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.212$ $U/W = 0.212$

$P/W = 0.474$ $C/W = 0.237$

$Vol./W^3 = 0.280$



PAVILION

P1	44.03°	02-22-26-46-50-70-74-94	Cut to centerpoint.
G1	90.00°	02-22-26-46-50-70-74-94	Set stone size.
P2	43.53°	01-23-25-47-49-71-73-95	Meet P1, G1

CROWN

C1	69.68°	02-22-26-46-50-70-74-94	Set girdle width.
C2	26.50°	12-36-60-84	Meet G1, C1
C3	13.58°	96-24-48-72	Meet C1, C2
T	0.00°	Table	Meet C2, C3

Originally, I just wanted to write a design where the crown was a 2x2 checkerboard apex. Unfortunately, that crown looks like crap, so after a few tweaks I came up with this simple design, with mind-bending reflections!

Works in materials from petalite to GGG (RI = 1.50 - 2.03) with no changes, but I prefer orange corundum.

Suggested size = 5-12 mm

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